



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,759	01/09/2002	Hyuck Jin Kwon	K-0369	2164
34610	7590	07/23/2004	EXAMINER	
FLESHNER & KIM, LLP			IQBAL, KHAWAR	
P.O. BOX 221200			ART UNIT	PAPER NUMBER
CHANTILLY, VA 20153			2686	--
DATE MAILED: 07/23/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/040,759	KWON, HYUCK JIN
	Examiner Khawar Iqbal	Art Unit 2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 23-30 is/are allowed.
- 6) Claim(s) 1-22 and 31-40 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5, 10,13 and 14 are rejected under 35 U.S.C. 102(e) as being unpatentable by Chern et al (20030060211).

3. Regarding claim 1 Chern et al teaches a method of providing a position-matched information service, comprising (fig. 2):

searching a database of information for content corresponding to a current location of a the mobile terminal determined by location tracking when information content is requested by the mobile terminal (para. # 0027, 0049, 0051); and transmitting the searched content to the mobile terminal (para. # 0027, 0051).

Regarding claim 2 Chern et al teaches wherein the information content comprises multimedia information content (para. # 0027, 0051, 0053).

Regarding claim 3 Chern et al teaches wherein the multimedia information comprises at least one of video, audio and text data (para. # 0027, 0051, 0053).

Regarding claims 4,13 Chern et al teaches wherein the multimedia information comprises at least one of a series of conversational phrases appropriate to the current location of the mobile terminal (para. # 0027, 0051, 0053).

Regarding claims 5,14 Chern et al teaches wherein the location tracking comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminal from a network providing the mobile terminal with a mobile communication; matching the received inherent number of the base transceiver station and the tracking location of the mobile terminal with an electronic map of the base transceiver station wherein the electronic map is previously retained; and determining a place coinciding with the tracking location of the mobile terminal on the electronic map as the site of the mobile terminal (para. # 0027, 0051, 0053).

Regarding claim 10 Chern et al teaches a method of providing a position-matched information service, comprising: tracking a location of a specific mobile terminal (para. # 0027, 0049, 0051); registering a final location of the mobile terminal; searching a specific multimedia data stored in a memory that corresponds to the registered final location when the mobile terminal requests a multimedia service at the registered final location (para. # 0027, 0049, 0051); and transmitting the multimedia data to the mobile terminal (para. # 0027, 0049, 0051).

4. Claims 31-32,36,37,40 are rejected under 35 U.S.C. 102(e) as being unpatentable by ludwig (6256498).

Regarding claim 31 Ludwig teaches a mobile communication system, comprising (figs. 2,3):

at least one base station configured to communicate with at least one mobile terminal; a base station controller coupled to control the at least one base station; a mobile switching center coupled to the (col.6, lines 30-45); an inter-gateway coupled to the MSC and configured to allocate an IP address and a modem resource for an information call to the least one mobile terminal (fig. 8); a location server coupled to the MSC and configured to determine current tracking information of the least one mobile terminal and temporarily store the tracking information (col. 8, lines 15-40); and a service server coupled to the location server and the IG, and configured to store electronic maps for respective service areas of the at least one BS and to store content information corresponding to the respective service areas, and provide the content to the at least one mobile terminal in accordance with the current tracking information of the at least one mobile terminal (col. 8, lines 15-51).

Regarding claim 32 Ludwig teaches a home location register coupled to the location server (fig. 2 HLR).

Regarding claim 36 Ludwig teaches wherein the location server determines the current tracking information of the at least one mobile terminal in accordance with a location registration message from the least one mobile terminal and a base station number of a base station in communication with the least one mobile terminal (col. 8, lines 15-51).

Regarding claim 37 ludwig teaches wherein the location server determines the current tracking information of the least one mobile terminal using radio (col. 8, lines 15-51).

Regarding claim 40 ludwig teaches wherein the service server is coupled to the IG using a TCP/IP connection (col. 8, lines 15-51).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 18-22,6-9,11-12,15-17,33-35,38 and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chern et al (20030060211) and further in view of Kesanupalli (6603837).

7. Regarding claims 18-22 Chern et al teaches a method of providing a position-matched conversation service, comprising:

storing a plurality of phrases as multimedia data corresponding to a plurality of situations of a plurality of sites (para. # 0027, 0051, 0053), respectively; determining a location of a mobile terminal in accordance with a location tracking procedure when the mobile terminal requests an service (para. # 0027, 0051, 0053); determining which one of the plurality of sites corresponds to the location of the mobile terminal (para. # 0027, 0051, 0053); and transmitting an language conversational multimedia phrase

corresponding to the situation and site of the mobile terminal (para. # 0027, 0051, 0053). Chern et al does not specifically teach English language conversational.

In an analogous art, Kesanupalli teaches English language conversational (col. 18, lines 35-60, col. 19, line 51-col. 20-line 3). A Web server 402 is provided that serves users 114 with choices of different languages and that presents a user interface in a user's 114 language of choice. During the registration process with the domain multi-server, via the Internet 116, a user 114 specifies the locale of their choice by selecting from one of several locales supported by the Web server 402. A locale is a combination of a language code and a language country code. There could be more than one locale for a specific language. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Chern et al by specifically adding feature English conversational services provider in order to enhance system performance as taught by Kesanupalli.

Regarding claims 6-9,11,12,15-17,33-35, 38 and 39 Chern et al teaches location based information retrieval system and method for wireless communication devices. A position determination system is included with the wireless communication device to allow the location of the device to be determined. The location of the device can be used to provide additional information or features to a user of the wireless communication device and the information that may be provided include map information; driving information; location information; location of retailers, goods, services, or other points of interest near the communication device; and any other information that may be useful or valuable to a user of the communication device.

Handset 130 communicates with a server 136 and database 138 over a wireless network 140. In method 600, a web site maintained on server 136 handles user requests for information. The web site includes a "services home page" that serves as an index to the available information services. Handset 130 is equipped with an Internet browser or mini browser program that accesses server 136 via network 140 and pulls the services home page to handset 130. The home page is displayed on the handset display 108 (para. # 0027, 0051, 0053).

Chern et al does not specifically teach English language conversational. In an analogous art, Kesanupalli teaches English language conversational (col. 18, lines 35-60, col. 19, line 51-col. 20-line 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Chern et al by specifically adding feature English conversational services provider in order to enhance system performance as taught by Kesanupalli.

#### ***Allowable Subject Matter***

8. The following is a statement of reasons for the indication of allowable subject matter: Regarding claims 23-30 the teaching of prior arts either alone or in combine fails to teach all the limitations as recited claimed.

#### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kawase (6600919) and Christy et al (20020002452) teach location base information and English language conversational.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAWAR IQBAL whose telephone number is 703-306-3015.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **BANKS-HAROLD, MARSHA**, can be reached at 703-305-4379.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2684 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

**Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.**

Khawar Iqbal



2/21/04  
LESTER G. KINCAID  
PRIMARY EXAMINER